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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE


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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/056,055
				Filing Date	January 28, 2002
				First Named Inventor	Osamu NAKAMURA et al.
				Group Art Unit	2811
				Examiner Name	Unassigned
Sheet 1	of 1	Attorney Docket Number		0756-2428	

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Office ³	Number ³	Kind Code ³ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DHL		Kevin S. Jones et al., "Boron Diffusion Upon Annealing of Laser Thermal Processed Silicon," Ion Implantation Technology 2000, Conference on, 2000, pages 111-114	
DHL		D.J. Llewellyn et al., "Implantation and Annealing of Cu in InP for Electrical Isolation: Microstructural Characterisation," Optoelectronic and Microelectronic Materials and Devices Proceedings, 1996, pages 313-316	

Examiner Signature		Date Considered	03-26-04
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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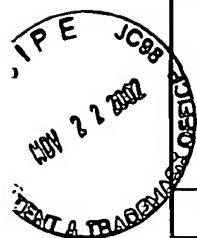
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Sheet	1	of	3	Attorney Docket Number	0756-2428

U.S. PATENT DOCUMENTS					
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		Number	Kind Code ³ (if known)		
DHL		6,426,276	B1	Ohnuma et al.	07/30/2002
		6,396,147	B1	Adachi et al.	05/28/2002
		6,461,943	B1	Yamazaki et al.	10/08/2002
		6,376,336	B1	Buynoski	04/23/2002
		6,255,195	B1	Linn et al.	07/03/2001
		4,371,403		Ikubo et al.	02/01/1983
		2001/0034088	A1	Nakamura et al.	10/25/2001
		5,932,893		Miyanaga et al.	08/03/1999
		6,022,458		Ichikawa	02/08/2000
		5,705,829		Miyanaga et al.	01/06/1998
		3,535,775		Garfinkel et al.	10/27/1970
		4,477,308		Gibson et al.	10/16/1984
		4,534,820		Mori et al.	08/13/1985
		5,244,819		Yue	09/14/1993
		5,275,896		Garofalo	01/04/1994
		5,403,772		Zhang et al.	04/04/1995
		5,426,064		Zhang et al.	06/20/1995
		5,481,121		Zhang et al.	01/02/1996
		5,488,000		Zhang et al.	01/30/1996
		5,492,843		Adachi et al.	02/20/1996
		5,501,989		Takayama et al.	03/26/1996
		5,508,533		Takemura	04/16/1996
		5,534,716		Takemura	07/09/1996
		5,543,352		Ohtani et al.	08/06/1996
		5,563,426		Zhang et al.	10/08/1996
		5,569,610		Zhang et al.	10/29/1996
		5,569,936		Zhang et al.	10/29/1996
		5,580,792		Zhang et al.	12/03/1996
		5,585,291		Ohtani et al.	12/17/1996
		5,589,694		Takayama et al.	12/31/1996

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		Number	Kind Code ² (if known)			
OKL		5,595,923		Zhang et al.	01/21/1997	
		5,595,944		Zhang et al.	01/21/1997	
		5,604,360		Zhang et al.	02/18/1997	
		5,605,846		Ohtani et al.	02/25/1997	
		5,606,179		Yamazaki et al.	02/25/1997	
		5,612,250		Ohtani et al.	03/18/1997	
		5,614,426		Funada et al.	03/25/1997	
		5,614,733		Zhang et al.	03/25/1997	
		5,616,506		Takemura	04/01/1997	
		5,620,910		Teramoto	04/15/1997	
		5,621,224		Yamazaki et al.	04/15/1997	
		5,624,851		Takayama et al.	04/29/1997	
		5,637,515		Takemura	06/10/1997	
		5,646,424		Zhang et al.	07/08/1997	
		5,654,203		Ohtani et al.	08/05/1997	
		5,656,825		Kusumoto et al.	08/12/1997	
		5,663,077		Adachi et al.	09/02/1997	
		5,696,386		Yamazaki	12/09/1997	
		5,696,388		Funada et al.	12/09/1997	
		5,712,191		Nakajima et al.	01/27/1998	
		5,744,824		Kousai et al.	04/28/1998	
		5,843,225		Takayama et al.	12/01/1998	
		5,677,549		Takayama et al.	10/14/1997	

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OKL		JP	07-130652			05/19/1995	Abstract
OKL		JP	08-078329			03/22/1996	Abstract

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Sheet 3 of 3	Attorney Docket Number	0756-2428	

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DHL		JP	09-074207		03/18/1997	Full
		JP	2000-260777		09/22/2000	Abstract
		JP	2001-210828		08/03/2001	Abstract

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DHL		U.S. Patent Application Serial No. 10/097,641, including specification, drawings and filing receipt, "Method of Manufacturing a Semiconductor Device", Shunpei YAMAZAKI et al., filed March 15, 2002.	
		U.S. Patent Application Serial No. 10/072,931, including specification, drawings and filing receipt, "Method of Manufacturing a Semiconductor Device", Shunpei YAMAZAKI et al., filed February 12, 2002.	
		U.S. Patent Application Serial No. 10/074,050, including specification, drawings and filing receipt, "Method of Manufacturing a Semiconductor Device", Shunpei YAMAZAKI et al., filed February 14, 2002.	
		U.S. Patent Application Serial No. 10/051,064, including specification, drawings and filing receipt, "Semiconductor Device and Method of Manufacturing the Same", filed January 18, 2002.	
		U.S. Patent Application Serial No. 10/066,542, including specification, drawings and filing receipt, "Semiconductor Device and Method for Manufacturing the Same", filed February 5, 2002.	
		U.S. Patent Application Serial No. 10/020,961, including specification, drawings and filing receipt, "Method of Manufacturing Semiconductor Device and Semiconductor Device", filed December 19, 2001.	
		M. Miyake et al., "Characteristics of Buried-Channel pMOS Devices with Shallow Counter-Doped Layers Fabricated Using Channel Preamorphization", IEEE Transactions on Electron Devices, Vol. 43, No. 3, March 1996, pp. 444-449.	
		L. S. Lee et al., "Argon Ion-Implantation on Polysilicon or Amorphous-Silicon for Boron Penetration Suppression in p+ pMOSFET", IEEE Transactions on Electron Devices, Vol. 45, No. 8, August 1998, pp. 1737-1744.	

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DHL		6,162,704		Yamazaki et al.	12/19/00	
DHL		6,180,439		Yamazaki et al.	01/30/01	

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DHL		Specification and drawings of Application Serial No. 08/784,293 filed January 16, 1997 entitled "Fabrication Method of Semiconductor Device," along with pending claims as of June 7, 2002	

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(Rev. 8-83)

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U.S. Department of Commerce
Patent and Trademark Office

Atty Docket 0756-2428

Serial No. 10/056,055

INFORMATION DISCLOSURE STATEMENT

Applicants: Osamu NAKAMURA et al.

Filing Date: January 28, 2002

Group Art Unit: 2811

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
DHL	5,529,937	06/25/1996	Zhang et al.			
	5,608,232	03/04/1997	Yamazaki et al.			
	5,639,698	06/17/1997	Yamazaki et al.			
	5,700,333	12/23/1997	Yamazaki et al.			
	5,773,327	06/30/1998	Yamazaki et al.			
	5,814,540	09/29/1998	Takemura et al.			
	5,869,363	02/09/1999	Yamazaki et al.			
	5,888,858	03/30/1999	Yamazaki et al.			
	5,893,730	04/13/1999	Yamazaki et al.			
	5,897,347	04/27/1999	Yamazaki et al.			
	5,915,174	06/22/1999	Yamazaki et al.			
	5,949,115	09/07/1999	Yamazaki et al.			
	5,956,579	09/21/1999	Yamazaki et al.			
	5,961,743	10/05/1999	Yamazaki et al.			
	5,977,559	11/02/1999	Zhang et al.			
	5,985,740	11/16/1999	Yamazaki et al.			
	6,027,987	02/22/2000	Yamazaki et al.			
	6,048,758	04/11/2000	Yamazaki et al.			
	6,063,654	05/16/2000	Ohtani			
	6,066,518	05/23/2000	Yamazaki			
	6,071,764	06/06/2000	Zhang et al.			
	6,071,766	06/06/2000	Yamazaki et al.			
	6,072,193	06/06/2000	Ohnuma et al.			
	6,077,731	06/20/2000	Yamazaki et al.			
	6,077,758	06/20/2000	Zhang et al.			
	6,084,247	07/04/2000	Yamazaki et al.			
	6,087,679	07/11/2000	Yamazaki et al.			
	6,093,934	07/25/2000	Yamazaki et al.			
	6,100,562	08/08/2000	Yamazaki et al.			
	6,111,557	08/29/2000	Koyama et al.			

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Kang, Donghee

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DHIC	6,121,660	09/19/2000	Yamazaki et al.			
	6,133,073	10/17/2000	Yamazaki et al.			
	6,133,075	10/17/2000	Yamazaki et al.			
	6,133,119	10/17/2000	Yamazaki			
	6,153,445	11/28/2000	Yamazaki et al.			
	6,156,590	12/05/2000	Yamazaki et al.			
	6,156,628	12/05/2000	Ohnuma et al.			
	6,160,268	12/12/2000	Yamazaki			
	6,162,704	12/19/2000	Yamazaki et al.			
	6,168,980	01/02/2001	Yamazaki et al.			
	6,184,559	02/06/2001	Hayakawa et al.			
	6,194,255	02/27/2001	Hiroki et al.			
	6,197,624	03/06/2001	Yamazaki			
	6,201,585	03/13/2001	Takano et al.			
	6,204,101	03/20/2001	Yamazaki et al.			
	6,204,154	03/20/2001	Zhang et al.			
	6,207,969	03/27/2001	Yamazaki			
	6,218,219	04/17/2001	Yamazaki et al.			
	6,225,152	05/01/2001	Yamazaki et al.			
	6,232,205	05/15/2001	Ohtani			
	6,232,621	05/15/2001	Yamazaki et al.			
	6,242,290	06/05/2001	Nakajima et al.			
	6,251,712	06/26/2001	Tanaka et al.			
	6,287,900	09/11/2001	Yamazaki et al.			
	6,291,275	09/18/2001	Yamazaki et al.			
	6,294,441	09/25/2001	Yamazaki			
	6,300,659	10/09/2001	Zhang et al.			
	6,303,415	10/16/2001	Yamazaki			
	6,303,963	10/16/2001	Ohtani et al.			
	6,307,214	10/23/2001	Ohtani et al.			

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DMU	6,316,789	11/13/2001	Yamazaki et al.				
DMU	6,316,810	11/13/2001	Yamazaki et al.				
FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No	
DMU	05-109737	04/30/1993	JP			Full Eng <input type="checkbox"/>	
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Group Art Unit							
Examiner Name							
Attorney Docket Number		740756-2428					
Sheet	1	of	1				

U.S. PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code ² (if known)				
		6,285,042		Ohtani et al.	09/04/2001		
		6,165,824		Takano et al.	12/26/2000		
		5,789,284		Yamazaki et al.	08/04/1998		
		5,923,962		Ohtani et al.	07/13/1999		
		5,643,826		Ohtani et al.	07/01/1997		

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		T ³
		Office ²	Number ⁴ (if known)					
		Japan	07-183540	Otani et al.	07/21/1995			Abstract
		Japan	3032801	Takano et al.	02/18/2000			Abstract
		Europe	0 651 431 A2	Ohtani et al.	01/31/1994			Full

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³

Examiner Signature		Date Considered	03-26-04
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/056,055
				Filing Date	January 28, 2002
				First Named Inventor	Osamu NAKAMURA et al.
				Group Art Unit	2811
Examiner Name	Unassigned				
Sheet	1	of	1	Attorney Docket Number	0756-2428

U.S. PATENT DOCUMENTS						
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nm		Kevin S. Jones et al., "Boron Diffusion Upon Annealing of Laser Thermal Processed Silicon," Ion Implantation Technology 2000, Conference on, 2000, pages 111-114	
nm		D.J. Llewellyn et al., "Implantation and Annealing of Cu in InP for Electrical Isolation: Microstructural Characterisation," Optoelectronic and Microelectronic Materials and Devices Proceedings, 1996, pages 313-316	

Examiner Signature		Date Considered	03-26-02
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